



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Rd.
Bowling Green, OH 43402-9398

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Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korfeski, Director

Re: Richland County
Cedar Creek Courts MHP
NPDES Permit

March 26, 2010

Mr. Dean Davidson, Owner
Cedar Creek Courts MHP
2724 Kings Corners East Road
Lexington, Ohio 44904

Dear Mr. Davidson,

On March 18, 2010, an inspection was made of the wastewater treatment facilities serving the Cedar Creek Courts MHP located at 2785 Eckert Road, Perry Township, Richland County. At the time of the inspection all major treatment units were functioning and appeared to be operating normally. No major concerns were noted.

The aeration tanks had a healthy color and both sludge return lines were operating. The clarifier tank was very clear. A clear effluent was being discharged from the chlorine contact tank.

A review of the discharge monitoring reports submitted to our office for the time period of August 2009 through February 2010 revealed several **violations** of the limits contained in your NPDES permit. The majority of these violations were for the parameter dissolved oxygen. A printout of these violations is included for your review.

The post aeration line to the chlorination tank had not yet been installed. The post aeration line should be installed as soon as possible to help prevent further violations of the dissolved oxygen limit. Also, the sludge holding tanks still need installed. These tanks should be installed as soon as possible. It appeared as though the discharge from the chlorine tank may not have been fully connected to the discharge line to the creek. There was no discharge at the creek and a large amount of water was observed coming up from the ground approximately 10 feet from the tank. The discharge connection should be checked.

If you have any questions please call me at 419-373-3070.

Sincerely,

Walter Ariss
Environmental Specialist II
Division of Surface Water

/lb

Enclosure

pc:

Lonnie McGhee, McGhee's Technical Water Service Inc. w/enclosure

Use New Data

Cedar Creek Courts MHP NPDES permit limit violations August 2009 through February 2010

Permit No.	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PY00068*AD	August 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	1.17	8/1/2009
2PY00068*AD	August 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.064	.06643	8/1/2009
2PY00068*AD	August 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	4.	8/5/2009
2PY00068*AD	August 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	4.	8/6/2009
2PY00068*AD	August 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	4.6	8/14/2009
2PY00068*AD	August 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	4.2	8/20/2009
2PY00068*AD	August 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	4.	8/28/2009
2PY00068*AD	September 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	2.	9/1/2009
2PY00068*AD	September 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.064	.11355	9/1/2009
2PY00068*AD	September 2009	001	31616	Fecal Coliform	30D Conc	1000	2300.	9/1/2009
2PY00068*AD	September 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	3.2	9/1/2009
2PY00068*AD	September 2009	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	1.5	2.	9/2/2009
2PY00068*AD	September 2009	001	00610	Nitrogen, Ammonia (NH3)	1D Qty	0.097	.11355	9/2/2009
2PY00068*AD	September 2009	001	31616	Fecal Coliform	1D Conc	2000	2300.	9/2/2009
2PY00068*AD	September 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	4.2	9/4/2009
2PY00068*AD	September 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	4.	9/11/2009
2PY00068*AD	September 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	4.4	9/16/2009
2PY00068*AD	September 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	4.	9/22/2009
2PY00068*AD	October 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	4.8	10/5/2009
2PY00068*AD	October 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	4.2	10/20/2009
2PY00068*AD	October 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	4.2	10/28/2009

OHIO ENVIRONMENTAL PROTECTION AGENCY

OPERATION AND MAINTENANCE INSPECTION
WWTP'S LESS THAN 25,000 GPD

NPDES Permit No. 2PY00068

Facility Name Cedar Creek Courts Expiration Date 11/30/2011
 Facility Address 2785 Eckert Rd Date 3/28/10 Time 11:00 am
 City Lexington County Richland Township _____
 Name and Address of Owner Non Davidson
 Person Contacted _____ Owner Phone _____
 Flow: Design 17,000 GPD Present 15,000 GPD (metered estimated)
 Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 50° sunny
 OEPA Personnel Walter Ariss District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	<input checked="" type="checkbox"/>	Clear	<input checked="" type="checkbox"/>	None	<input checked="" type="checkbox"/>	Colorless
1	Mild						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

2. Effect of effluent on Receiving Stream Name: Cedar Fork Mahoning - no discharge at creek

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None		Clear		None		Colorless
1	Mild						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

3. a. Plant has _____ excellent good _____ fair _____ poor operation
 b. Plant has _____ excellent good _____ fair _____ poor maintenance
 c. Sand filters have _____ excellent good _____ fair _____ poor maintenance
no sand filters
 d. Not operating at expected efficiency due to:

- (1) _____ hydraulic overload
 (2) _____ organic/ solids overload
 (3) _____ personnel inefficiency
 (4) _____ equipment failure
 (5) _____ wastes
 (6) _____

Disinfection: (Required May 1 thru Oct.31.)

IN	OUT	
_____	<input checked="" type="checkbox"/>	Chlorination Tablets
_____	<input checked="" type="checkbox"/>	Dechlorination Tablets
_____	_____	U.V.

Yes No

4. Compliance with NPDES Permit
- Periodic Violations Y N Parameters: _____
 Chronic Violations Dissolved oxygen
5. Adequate plant safety
6. Operation and Maintenance Service Name McGhee's TWSE
 Frequency of Visits 1/week

Facility Name: Cedar Creek WWT

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	<input checked="" type="checkbox"/>	Trash Trap	Pumping Frequency:
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	<input checked="" type="checkbox"/>	Plant Timer <u>Y</u> <input checked="" type="checkbox"/> N	Cycle Time:
		Motor/ Blower Unit <i>running</i>	
Secondary Treatment	<input checked="" type="checkbox"/>	Aeration Tank	Color: <i>good color</i> Adequate Aeration: <input checked="" type="checkbox"/> N
Final Settling	<input checked="" type="checkbox"/>	Clarifier	<i>good clarity</i>
	<input checked="" type="checkbox"/>	Sludge Return	<i>a little bit of floating scum</i> In <input checked="" type="checkbox"/> Out
	<input checked="" type="checkbox"/>	Surface Skimmer	In Out <input checked="" type="checkbox"/>
		Fixed Media Clarifier	
Tertiary Treatment		Surface Sand Filter	
	<input checked="" type="checkbox"/>	Polishing Pond	<i>visible solids in pond / discharge fairly clear</i>
		Other	
Disinfection	<input checked="" type="checkbox"/>	Chlorine Tube Feeder	<i>out</i>
	<input checked="" type="checkbox"/>	Dechlorination Tube Feeder	<i>out</i>
		Ultraviolet (UV)	
Flow Metering <i>none</i>		Elapsed Pump Time	
		Recorder (continuous total)	
Pumps <i>none</i>		Raw Wastewater (type)	
		Sand Filter Effluent Dosing	
Sludge Handling		Aerated Storage Tank	<i>Holding tanks still need installed</i>
		Sludge Drying Bed	
Sludge Disposal	<input checked="" type="checkbox"/>	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	<i>Post aeration still needs installed</i>
		Spray Irrigation	
		Other	